

GPS/GLONASS RTK Receiver

The SXBlue III GNSS is a palm-sized GNSS RTK receiver that uses both GPS and GLONASS for real-time, centimetre accuracy. Via Bluetooth, it brings centimetre accuracy to any Bluetooth-compliant smartphone, handheld, tablet or notebook computer.

The SXBlue III GNSS uses new, patented technology that allows it to generate corrections for both GPS and GLONASS satellite data even if the user's reference station (or RTK Network) only supports GPS. This feature opens up productivity benefits of GLONASS to all high-precision users around the world, and not just ones who have access to GLONASS-enabled reference stations. For example, a 20 year-old GPS-only reference station and the SXBlue III GNSS will create corrections for the GLONASS data and the user will have the benefit of GPS/GLONASS RTK productivity in the field.

By implementing GLONASS, the SXBlue III GNSS immediately increases RTK productivity with its ability to track 55 satellites (31 GPS, 24 GLONASS). With 12 to 19 satellites in view at all times, the SXBlue III GNSS provides performance when working in tough environments such as in and around tree canopy, buildings and rugged terrain.

The SXBlue III GNSS is a palm-sized unit that utilises a 2.7" diameter GNSS antenna. The unit is waterproof (submersible), dustproof and ruggedised, with an IP-67 rating. Its Class-1 long-range Bluetooth 2.0 has a typical range of 250 metres. The internal, rechargeable, field replaceable Li-Ion battery has on-board LEDs to let the user know how much battery life is left. The operating temperature range of the SXBlue III GNSS is -40°C (-40°F) to 85°C (185°F).

In addition to the built-in long-range Bluetooth transceiver, the SXBlue III GNSS also has a standard DB-9 RS-232 port and a USB Type B port whose outputs are fully programmable up to 10Hz standard with a 20Hz option.

The SXBlue III GNSS is targeted at high-precision users in industries such as surveying, GIS, utilities, construction, agriculture, engineering and other natural resource industries in addition to local, state and federal government users.